



BDCP

BAY DELTA CONSERVATION PLAN

Session 4 – Draft Conservation Measures

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Webinar

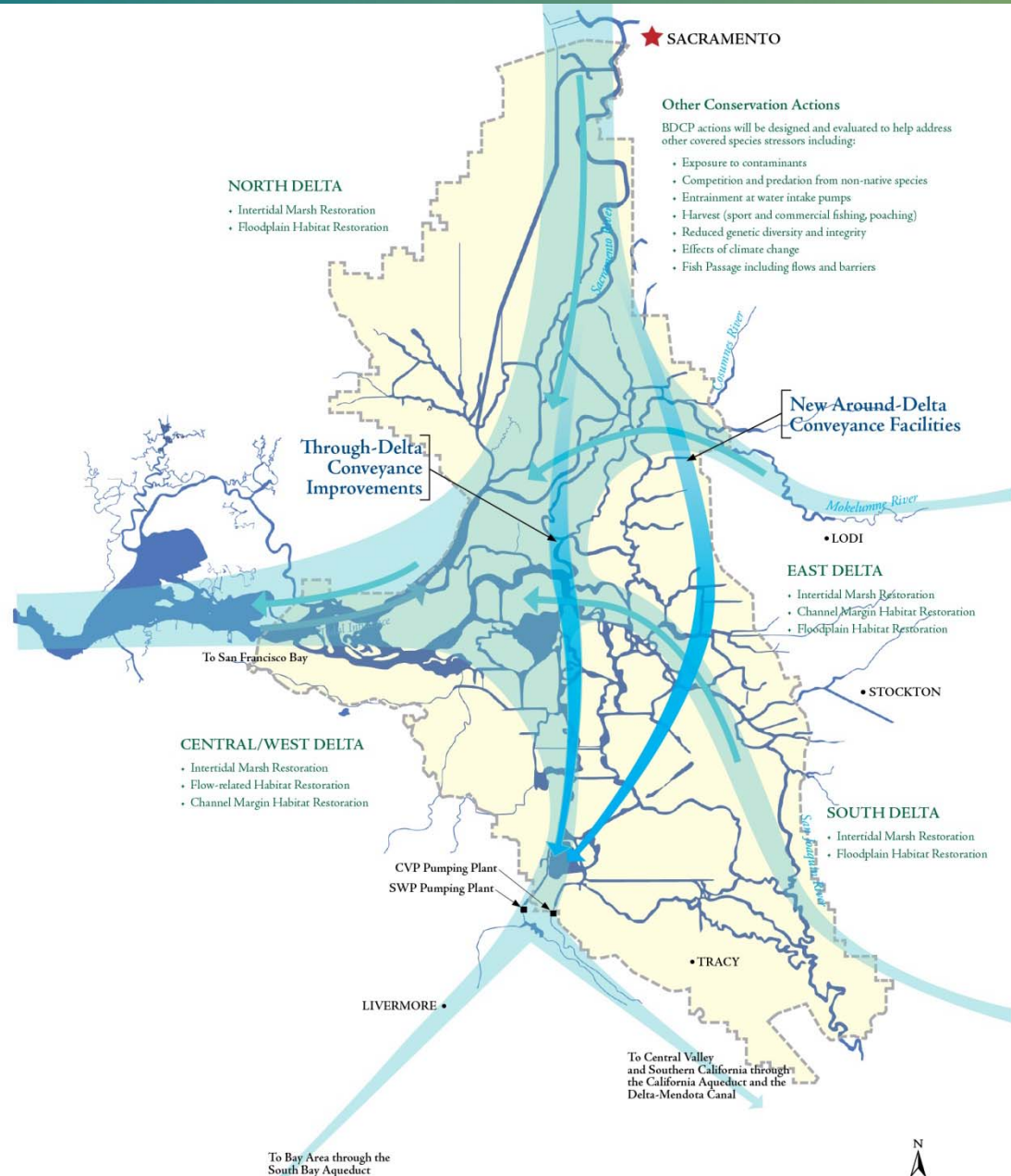
February 18, 2009



How are we
developing
a draft
conservation
strategy?



Building a
strategy that
contributes to
the recovery
of fish species
over time



Identifying Conservation Measures

Biological Goals and Objectives

Physical habitat restoration

- Land elevation
- Presence of natural communities
- Land uses and ownership
- connectivity

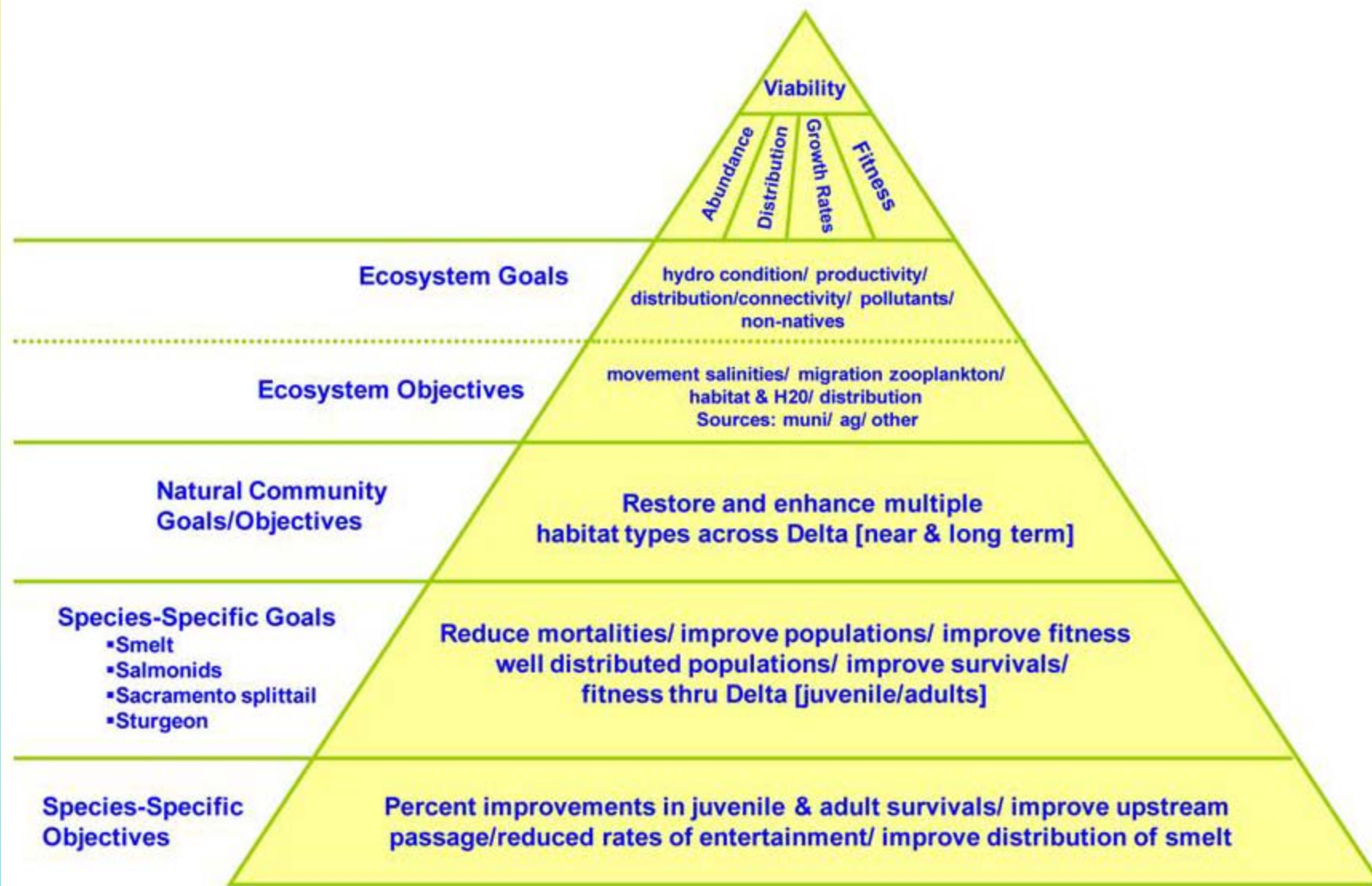
New and existing conveyance

- Facility design considerations
- Key operational parameters

Other Stressors

- Assess existing programs
- Assess state of science

Biological Goals & Objectives



Identifying Conservation Measures

- Identified approximately 50 individual conservation measures for further analysis
- www.resources.ca.gov/bdcp
 - Water Operations Conservation Measures – Third Draft, 10-31-08
 - Habitat Restoration Conservation Measures – Third Draft, 10-31-08
 - Other Stressors Conservation Measures – Third Draft, 10-31-08

Principles

- Provide a Comprehensive Set of Conservation Measures to Recover Species
- Divert More Water in the Wetter Periods/Less in the Drier Periods
- Focus on Natural Biological and Physical Processes
- Build in Flexibility
- Address Scientific Uncertainty Directly Through Adaptive Management
- Provide for Reliable Water Supplies

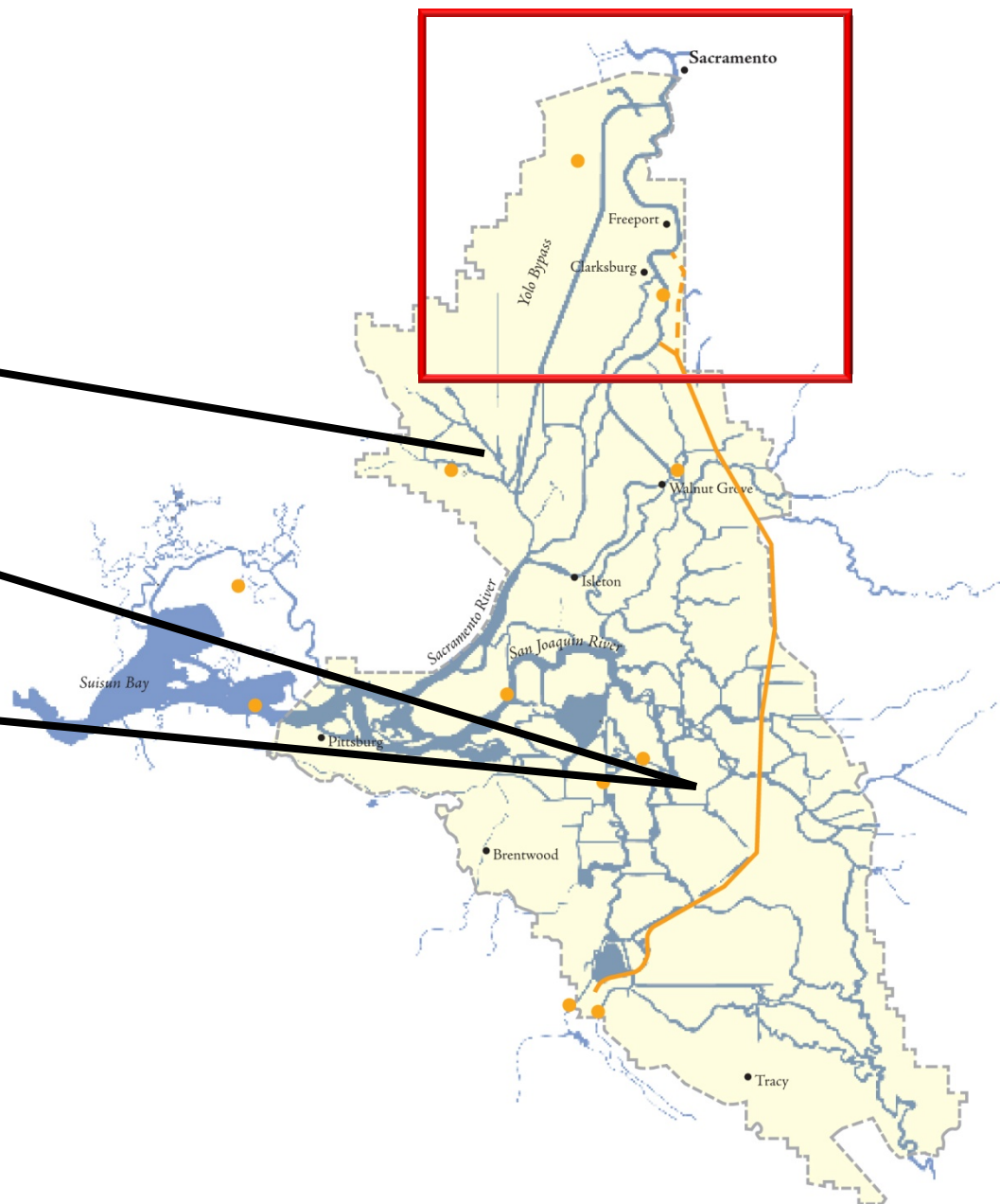
Overview of BDCP Draft Conservation Strategy

- Elements that shape the overall architecture of a new Delta hydrodynamic system
- Measures that both rehabilitate the Delta ecosystem and water supply system
- Implementable in a 5 to 15 year horizon



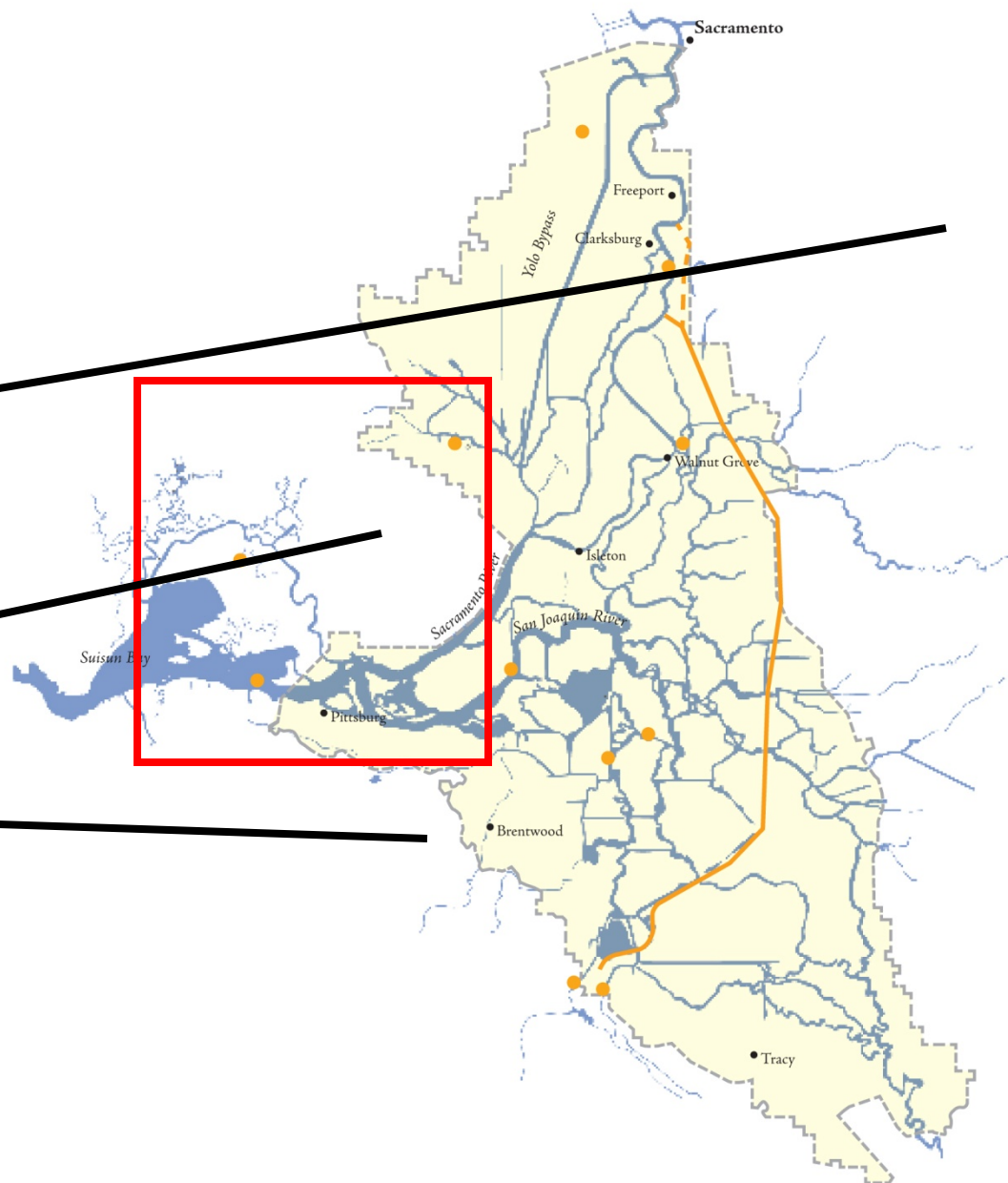
Core Elements

- Modify Fremont Weir and Yolo Bypass
- New North Delta Diversion
- Hood Bypass Flow Criteria



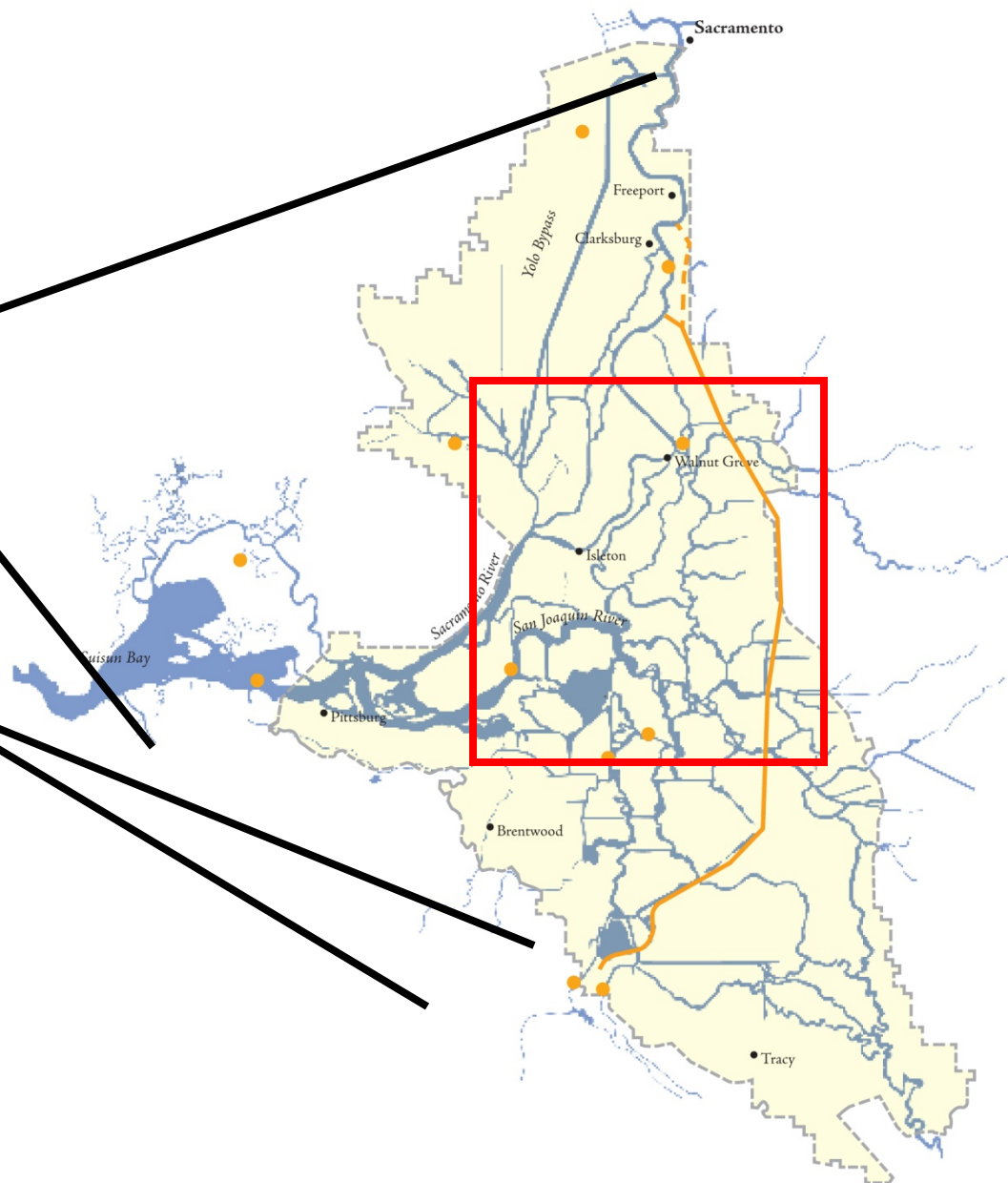
Core Elements

- Tidal Marsh Restoration in Cache Slough Complex
- Tidal Marsh Restoration in the Suisun Marsh Area
- Delta Outflow Targets



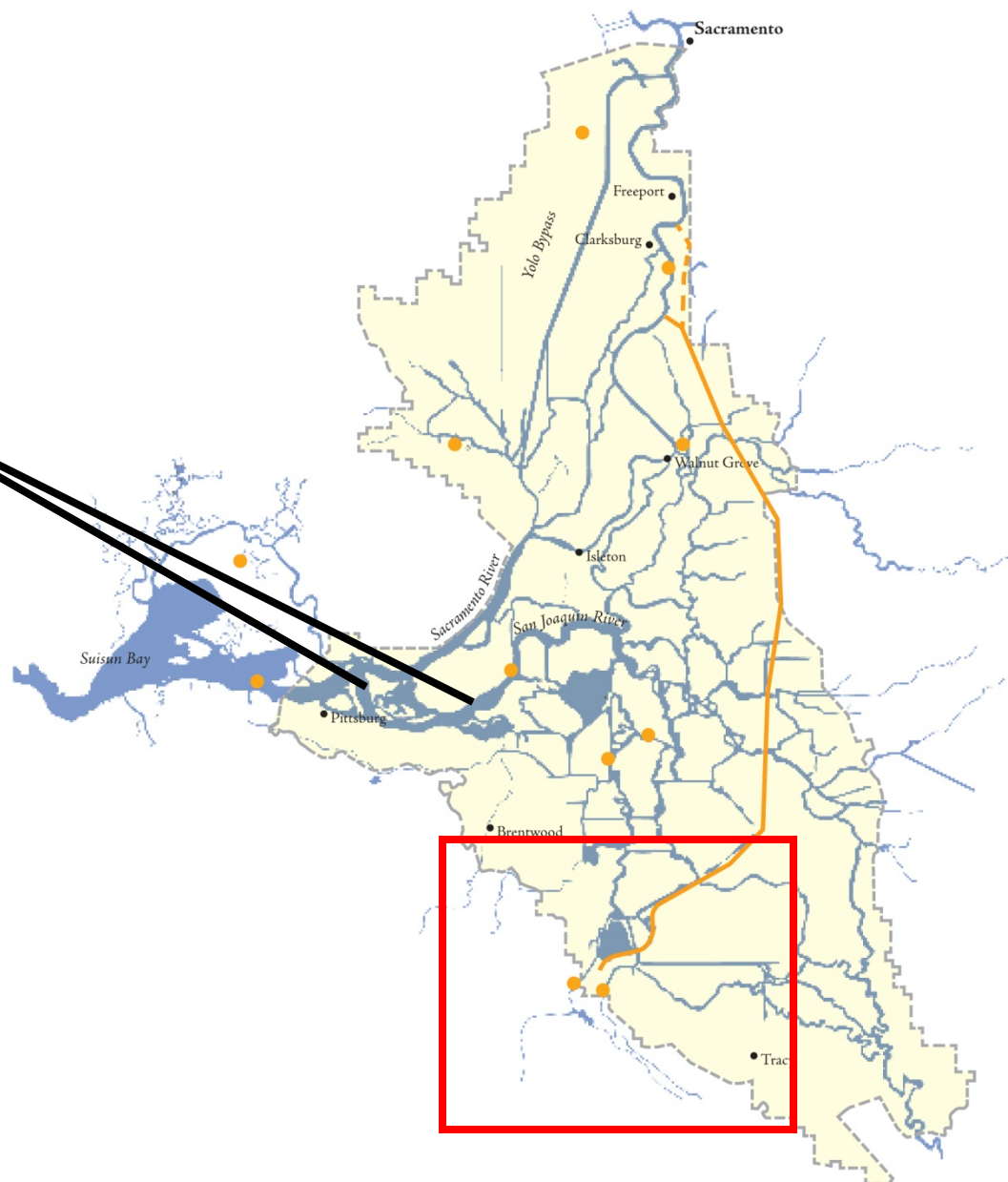
Core Elements

- Delta Cross Channel Operations
- Strategic Tidal marsh Restoration
- Interim Tidal Gates

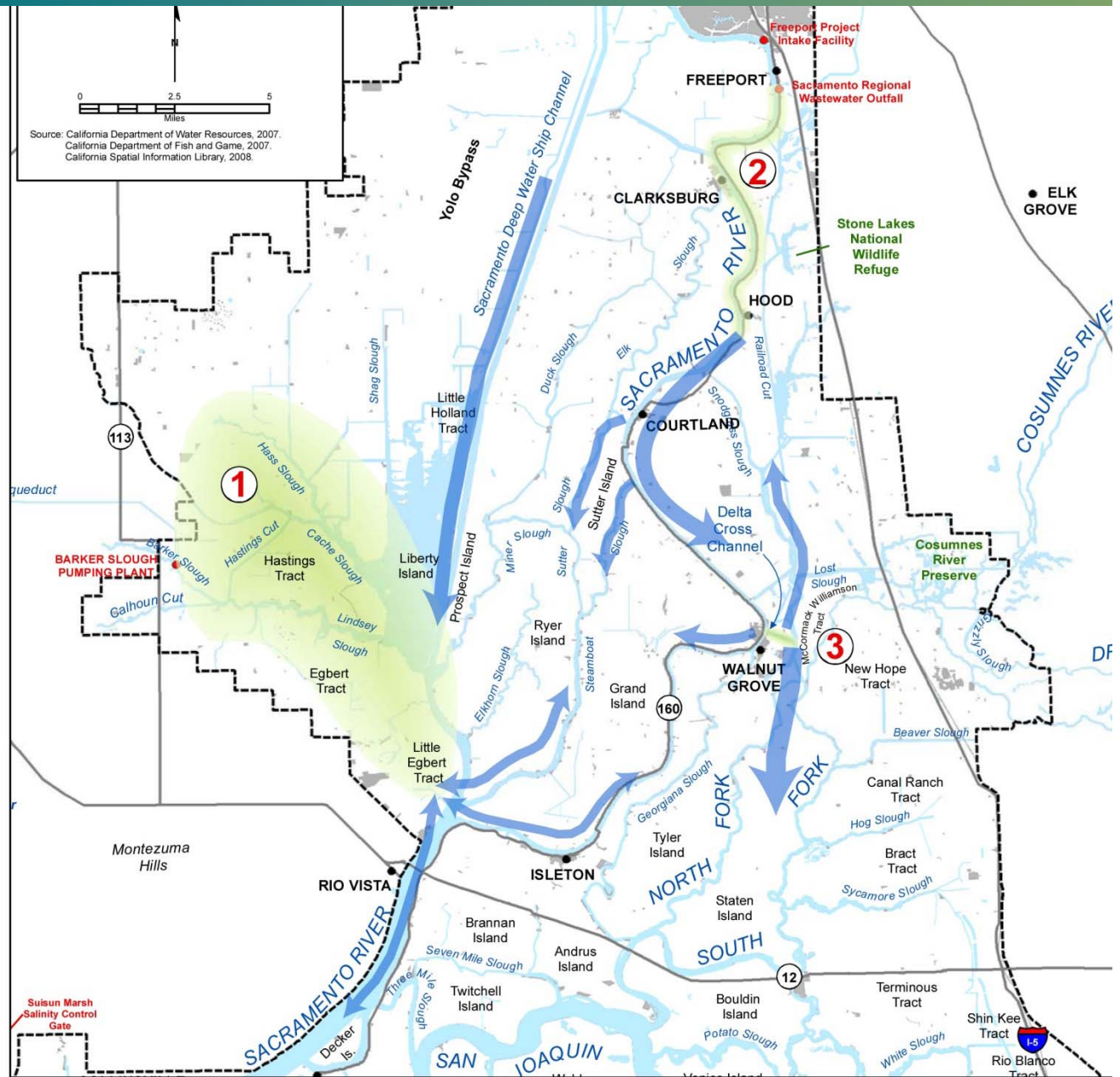


Core Elements

- Manage South Delta Exports and Hydrodynamics



Example #1: integrated conservation measures



DRAFT - 02/13/20

The map illustrates the Suisun Marsh area, showing various waterways and islands. Key features include:

- Waterways:** Grizzly Bay, Honker Bay, Sherman Lake, Mayberry Slough, and several sloughs including Montezuma, Nurse Sl., Roaring River Sl., and Winters Is.
- Islands:** Grizzly Island, Van Sickle Island, Chipps Island, Browns Is., Kimbal Is., Donlan Is., West Is., Simmons Is., Wheeler Is., Ryer Is., and Roe Is.
- Infrastructure:** Suisun Marsh Salinity Control Gate, Pittsburg Power Plant, and the Sherman Lake.
- Geographical Features:** Petrero Hills, Montezuma Hills, and Hill Sl.
- Locations:** COLLINSVILLE, PITTSBURG, and ANTIOCH.
- Other Labels:** Suisun Marsh, Little Honker Bay, and a red circle with the number 1.

Creating flows in
the Delta that
more closely
resemble natural
patterns while
managing water
quality

